

# Appendix K

Economic Analysis - Studies Used to Estimate Marina Slip Occupancy

## Studies Used to Estimate Marina Slip Occupancy

1. **Collier County, 1994 Boating Study and Facility Survey** (Natural Resources Department, 1995). A survey of the Wiggins Pass area estimates that 47 percent of docks were occupied during the busiest time of year.
2. **Duval County, 1999 Jacksonville University Study** (Jacksonville University, 1999). This study estimates occupancy of both wet and dry slips at the county's 40 marinas. The average occupancy for both wet and dry slips is reported to be 78 percent.
3. **Indian River County, 1995 Boating Activity Study** (Environmental Planning Section, 2002). This study, conducted by the Florida Institute of Technology, estimates that approximately 56 percent of all boat slips throughout the county are occupied. The analysis does not distinguish between wet and dry slips.
4. **Lee County, 2002 GIS analysis** (Lee County Natural Resource Management Division, 2002). This GIS analysis examines all types of boat moorings (i.e., marina slips, seawalls, floating moorings, etc) and assesses whether each was vacant or occupied. The study estimates that approximately 60 percent of marina slips were occupied.
5. **Martin County, 1996 Boating Activity Study** (Growth Management Department, 2002). According to the Boating Facility Siting Plan, a 1996 Boating Activity Study estimates occupancy for wet slips of 63 percent from the period August 1995 to July 1996. For the same period, the dry storage occupancy is estimated to be 77 percent.
6. **Miami-Dade County, County Marine Operating Plan Data** (Department of Environmental Resource Management, 1995). The county compiled information on existing number of slips and occupancy rates for all 226 marinas. This study estimates that the average occupancy rate across these marinas is 69 percent.
7. **Palm Beach County, 1994 Boating Activity Study** (Baker and Villanueva, 1994). This study estimates occupancy of marinas through a survey of 72 wet and dry storage facilities in Palm Beach County during both the summer and winter seasons. The average occupancy rate for wet slips is reported to be between 58 and 71 percent, representing summer and winter figures respectively. The study also estimates a range of occupancy for dry slips as well, of 84 to 87 percent (summer and winter, respectively).
8. **Sarasota County, 1996 and 1998 Database of boating facilities** (MML, 2001). Occupancy rates for existing moorings in Sarasota county are estimated to be 89 percent, based on a review of a county database.

9. **St. Lucie County, 1995 Boating Activity Study** (Ecological Associates, Inc, 2002). The Florida Institute of Technology study sampled 15 marinas in the county to estimate occupancy. The study estimates that 68 percent of wet slips and 56 percent of dry storage space were occupied. The survey was conducted during the summer of 1993.
10. **Volusia County, 1994-95 Boating Activity Study** (Environmental Management, 2002). The Boating Activity Study, which focuses on the St. Johns River and Intracoastal Waterway (ICW) of Volusia County and adjacent bordering counties, estimates an overall occupancy rate of 76 percent for the ICW and 65 percent for the St. Johns River.

Note that estimates of marina slip occupancy rates discussed above generally do not include other moorings frequently available to transient visitors, such as floating moorings, seawall, or other temporary docks.